

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: IRiS

Report Number: P1337491

Luminaire Tested: P3A05R259835DE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1337491
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-61)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R259835DE010 E3CA301MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 98CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

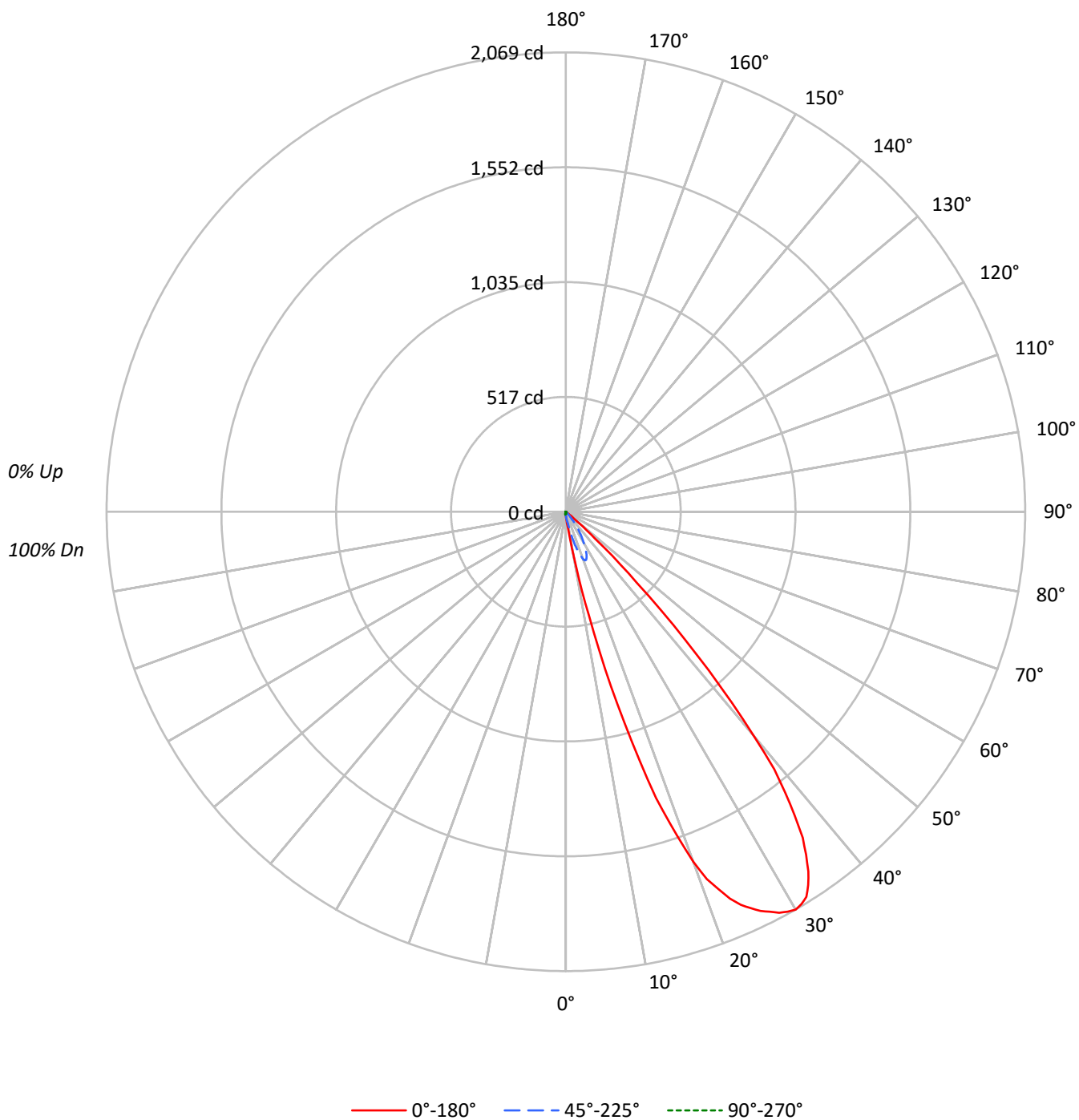
Lumens per Lamp: N/A
Luminaire Lumens: 414.0 lumens
Efficiency: N/A
Efficacy: 57.5 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	109	107	104	110	107	105	102	103	101	99		99	98	96		96
2	106	100	95	92	103	98	94	90	95	92	88		92	89	87		89
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83
4	93	84	77	72	91	83	77	72	80	75	71		78	74	70		76
5	87	77	70	65	85	76	69	65	74	68	64		72	67	63		71
6	81	71	63	58	79	70	63	58	68	62	58		67	61	57		65
7	76	65	58	53	74	64	57	52	63	57	52		61	56	52		60
8	71	60	52	48	70	59	52	47	58	52	47		57	51	47		56
9	66	55	48	43	65	54	48	43	53	47	43		52	47	43		51
10	62	51	44	39	61	50	44	39	49	43	39		48	43	39		48

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	3903	3903	3903	3903	3903
5°	9773	7220	3654	1871	1453
10°	42751	12291	3006	868	601
15°	203270	33144	2111	341	272
20°	391287	53088	1353	93	93
25°	476544	53543	750	0	0
30°	523929	40968	304	0	0
35°	504894	26046	107	0	0
40°	377250	11278	0	0	115
45°	139673	3008	124	124	372
50°	16477	409	273	273	512
55°	1606	0	306	459	726
60°	175	0	526	658	833
65°	208	208	778	986	1193
70°	256	256	962	962	1475
75°	339	339	1017	1017	1271
80°	0	505	1515	1010	1515
85°	0	1006	3019	1006	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 139673 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.6	0.6
10°-20°	48.3	11.7
20°-30°	151.5	36.6
30°-40°	159.5	38.5
40°-50°	46.9	11.3
50°-60°	2.5	0.6
60°-70°	1.2	0.3
70°-80°	1.1	0.3
80°-90°	0.6	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	202.3	48.9
0°-40°	361.8	87.4
0°-60°	411.2	99.3
0°-90°	414.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	414.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	18	18	18	18	18	
5°	44	33	17	8	7	8
15°	895	146	9	2	1	282
25°	1970	221	3	0	0	903
35°	1886	97	0	0	0	1138
45°	450	10	0	0	1	409
55°	4	0	1	1	2	11
65°	0	0	2	2	2	0
75°	0	0	1	1	2	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8
2.5°	27.4	27.8	26.7	27.4	26.7	26.3	25.9	23.9	20.9	17.8	14.7
5°	44.4	44.4	42.5	42.1	41.3	39.8	38.2	32.8	23.6	16.6	11.6
7.5°	69.5	69.1	68.4	66.4	62.6	58.7	54.8	42.9	25.9	15.5	8.9
10°	192.0	189.3	185.8	164.9	141.4	120.5	102.4	55.2	27.8	13.5	6.6
12.5°	477.0	461.6	424.9	383.2	329.9	273.9	219.0	90.0	28.6	11.2	4.6
15°	895.4	863.3	806.1	722.7	613.8	491.3	387.0	146.0	27.8	9.3	3.5
17.5°	1351.9	1321.0	1241.8	1115.2	954.9	766.7	582.1	193.5	25.9	7.7	2.3
20°	1676.8	1644.0	1569.8	1435.4	1261.9	1011.2	766.4	227.5	24.3	5.8	1.2
21°	1771.8	1739.0	1660.6	1530.8	1348.5	1097.0	825.5	233.3	23.2	5.0	0.8
22°	1832.1	1812.8	1728.5	1602.6	1416.8	1165.8	876.1	236.0	22.4	4.6	0.8
23°	1892.7	1863.7	1784.9	1652.1	1469.0	1216.7	913.5	234.1	21.6	3.9	0.4
24°	1937.5	1913.2	1821.6	1690.3	1505.3	1248.0	935.5	229.1	20.5	3.5	0.4
25°	1969.6	1947.2	1851.8	1716.2	1529.6	1265.0	942.5	221.3	19.3	3.1	0.4
26°	2000.1	1975.8	1876.9	1731.2	1542.4	1270.4	935.9	212.8	18.2	2.7	0.0
27°	2022.1	1997.4	1894.3	1740.1	1543.1	1263.9	918.2	201.2	17.0	2.3	0.0
28°	2045.7	2017.1	1906.2	1745.2	1538.5	1248.4	892.7	188.9	16.2	1.9	0.0
29°	2060.0	2032.9	1918.6	1750.6	1528.8	1222.5	855.6	174.2	14.3	1.2	0.0
30°	2069.2	2037.2	1917.4	1744.8	1516.1	1194.7	811.2	161.8	12.4	1.2	0.0
31°	2061.5	2027.9	1905.1	1728.5	1495.6	1158.4	765.6	146.4	10.0	0.8	0.0
32°	2044.9	2005.1	1883.4	1700.3	1458.9	1111.7	718.5	133.6	7.3	0.8	0.0
33°	2004.3	1970.7	1844.4	1662.5	1411.0	1048.3	657.0	121.3	5.0	0.4	0.0
34°	1953.4	1919.7	1791.1	1611.9	1346.9	966.4	582.5	108.5	4.2	0.4	0.0
35°	1886.1	1852.9	1730.9	1541.2	1261.9	867.9	505.6	97.3	3.5	0.4	0.0
36°	1815.5	1771.4	1654.8	1465.9	1148.0	755.9	423.3	84.6	2.7	0.4	0.0
37°	1711.6	1681.8	1552.4	1351.2	1024.8	648.5	363.5	73.0	1.9	0.4	0.0
38°	1603.8	1576.4	1450.0	1235.7	887.3	542.3	304.4	61.8	1.5	0.0	0.0
39°	1492.5	1447.0	1322.2	1087.7	743.2	454.3	256.1	51.8	0.8	0.0	0.0
40°	1317.9	1283.2	1149.9	910.0	614.9	368.1	218.2	39.4	0.8	0.0	0.0
42.5°	873.7	841.3	701.5	493.6	326.8	215.2	144.1	15.5	0.0	0.4	0.0
45°	450.4	429.9	349.2	258.4	185.4	132.1	92.7	9.7	0.0	0.4	0.4
47.5°	178.8	175.4	158.4	136.7	105.5	78.4	50.6	4.2	0.0	0.4	0.4
50°	48.3	48.7	45.6	42.1	38.2	35.9	21.2	1.2	0.0	0.8	0.4
52.5°	20.5	20.9	20.1	18.9	17.0	12.7	8.5	0.4	0.4	0.8	0.8
55°	4.2	4.6	5.0	5.4	6.2	5.4	3.5	0.0	0.4	0.8	0.8
57.5°	0.8	0.8	0.8	0.8	1.2	1.2	0.8	0.0	0.4	0.8	1.2
60°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.8	1.2	1.2
62.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	1.2	1.5
65°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	1.5	1.5
67.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.2	1.5	1.5
70°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.2	1.5	1.5
72.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.2	1.5	1.2
75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.2	1.2	1.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.8	1.2	1.2
80°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.8	1.2	0.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.8	1.2	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.2	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.2	0.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
0°	17.8	17.8	17.8
2.5°	12.4	11.2	10.8
5°	8.5	7.3	6.6
7.5°	5.8	4.6	4.2
10°	3.9	3.1	2.7
12.5°	2.7	1.5	1.5
15°	1.5	1.2	1.2
17.5°	0.8	0.4	0.4
20°	0.4	0.4	0.4
21°	0.0	0.0	0.0
22°	0.0	0.0	0.0
23°	0.0	0.0	0.0
24°	0.0	0.0	0.0
25°	0.0	0.0	0.0
26°	0.0	0.0	0.0
27°	0.0	0.0	0.0
28°	0.0	0.0	0.0
29°	0.0	0.0	0.0
30°	0.0	0.0	0.0
31°	0.0	0.0	0.0
32°	0.0	0.0	0.0
33°	0.0	0.0	0.0
34°	0.0	0.0	0.0
35°	0.0	0.0	0.0
36°	0.0	0.0	0.0
37°	0.0	0.0	0.0
38°	0.0	0.0	0.4
39°	0.0	0.4	0.4
40°	0.0	0.4	0.4
42.5°	0.0	0.4	0.8
45°	0.4	0.8	1.2
47.5°	0.8	1.2	1.5
50°	0.8	1.5	1.5
52.5°	1.2	1.5	1.9
55°	1.2	1.9	1.9
57.5°	1.5	1.9	2.3
60°	1.5	1.9	1.9
62.5°	1.5	2.3	2.3
65°	1.9	2.3	2.3
67.5°	1.9	2.3	2.3
70°	1.5	1.9	2.3
72.5°	1.5	1.9	1.9
75°	1.2	1.5	1.5
77.5°	1.2	1.2	1.5
80°	0.8	1.2	1.2



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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.8	0.8	0.8
85°	0.4	0.4	0.4
87.5°	0.4	0.4	0.4
90°	0.0	0.0	0.0

(END OF REPORT)